



Associate in Applied Science

Toward a Degree in

Electrical Engineering Technology

Career Curriculum ELT3012
Minimum Hours: 69
Major Code: 1.2 150303Y
Effective Date: Fall 2019

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
ELT	102	Basic Electricity and Wiring	4	_____
ELT	111	Digital Electronics I	3	_____
ENG	101	English Composition 1 ¹ OR ENG 113 Professional Technical Writing ¹	3	_____
MAT	111	Pre-Calculus	5	_____
MFT	103	Industrial Robots and PLCs	3	_____
			18	

NOTES AND INFORMATION

*Completion of MAT 201 is recommended prior to transfer to SIU-C.

¹ Requires a grade of "C" or higher.

Fall only courses: Spring only courses:

ELT 102	ELT 103	ELT 224
ELT 111	ELT 150	
ELT 151	ELT 112	
ELT 214	ELT 218	
MFT 103	ELT 200	
ELT 215	ELT 220	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	103	Applied DC/AC Circuits	4	_____
ELT	112	Digital Electronics II	3	_____
ELT	150	Applied Solid State Electronics	3	_____
MAT	131	Calculus I	5	_____
Social or Behavioral Science Elective			3	_____
			18	

The Electrical Engineering Technology AAS Degree (ELT 3012) is an ICCB approved extension of the Electronics Technology AAS Degree (00ELT3010).

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ELT	151	Applied Solid State Circuits	3	_____
ELT	214	A+ Preparation IT Technician	3	_____
ELT	215	IOT and Embedded Systems	3	_____
PHY	155	College Physics I	5	_____
COM	115	Speech OR COM 116 Interpersonal Communication	3 17	_____

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	200	Introduction to Microprocessors	3	_____
ELT	218	Introduction to Network Technologies	3	_____
ELT	220	Linear Integrated Circuits	3	_____
ELT	224	Power Distribution and Motors	3	_____
ENG	102	English Composition II ¹ OR BUS 235 Business Communication	3 15	_____

Career Opportunities: The graduate in Electronics Engineering Technology will be prepared for entry-level careers in areas such as: Product development and support Technician, Field engineering/service Technician, Test Engineering Technician, Technical documentation, Technical sales/marketing, Telecommunications and wireless systems development and support, Research and development, Quality assurance, Technical documentation.

John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and time lines of this document.